



MASTER OF SCIENCE & DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE

Program Overview

Computer Science is a rapidly growing field where graduates are in great demand and job opportunities are continuing to increase. The Master of Science and Doctor of Philosophy Programs in Computer Science prepare students for employment in governmental agencies and prominent companies throughout the nation in a variety of areas. The Department of Computer Science offers an innovative graduate program combining computer science fundamentals with practical knowledge and technical excellence in the most advanced technologies. The Department of Computer Science performs research funded by agencies including the National Aeronautics and Space Administration (NASA), the U.S. Air Force, the National Security Agency (NSA), the National Science Foundation (NSF) and others.

For More Information

Please Contact:
Graduate Program Coordinator,
Dr. Huiming Yu
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(336) 285-3699

Program Structure

The Master of Science (MScS) degree can be earned through one of three options: *Project, Thesis, or Course*.

Course: 30 credit total hours of course work
Project: 30 total credit hours; 27 credit hours of course work; 3 credit hours for the project
Thesis: 30 total credit hours; 24 credit hours of course work; 6 credit hours for the thesis

The Doctor of Philosophy (PhD) degree can be earned by the completion of **required course work, research, and a dissertation**. The degree requires graded course work and non-graded course work. Students must complete 63 credit hours that includes 42 hours of graded course, if student has M.S. degree only 24 hours of graded course work must be completed, and 21 hours of non-graded courses beyond the BS degree. Students must also pass the doctoral qualifying exam to continue in the program.

Research Areas

- Cyber Security
- Artificial Intelligence & Machine Learning
- Software Engineering
- Advanced Biometrics
- Cloud Computing
- Social Computing
- Multiagent Systems
- Cyber Identity
- Network Science



Research Laboratories and Centers

- Center for Advanced Studies in Identity Sciences (CASIS)
- BEACON@A&T (Bio/computational Evolution in Action CONSortium at A&T)
- Center for Cyber Defense (A National Center of Academic Excellence in Information Assurance Education)
- Secure & Usable Social Media & Networks Lab
- Cyber Identity and Biometrics (CIB) Lab
- Robust Autonomous Variable Environment Network (RAVEN) Lab

Graduate Placement

Graduates of the program are hired by Lockheed Martin, Northrop Grumman, IBM, Microsoft, Intel, SAS and many other leading corporations. Many graduates also find employment in government agencies such as CIA, NSA, FBI, NASA, NAVSEA, etc. Some graduates go on to pursue doctoral work at prestigious research universities.

Funding

- Carolina Cyber Defender Scholarship
- Teaching Assistantship
- Research Assistantship
- Tuition Remission



North Carolina Agricultural and Technical State University
THE GRADUATE COLLEGE
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<https://graduateadmissions.ncat.edu>

NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY

THE GRADUATE COLLEGE

OUR RESEARCH STRENGTHS

- Aerospace and Transportation Systems
- Biomedical Research
- Biotechnology & Biosciences
- Computer and Computational Sciences
- Defense and National Security
- Energy and the Environment
- Food Science
- Human Health, Nutrition and Wellness
- Leadership and Community Development
- Nanotechnology and Multi-Scale
- Social and Behavioral Sciences
- Transportation and Logistics

AGGIE POINTS OF PRIDE

- Ranked by the Carnegie Classification of Institutions of Higher Education as “doctoral/research university”
- Ranked third within the UNC System in research funding, with over \$56 million in sponsored programs and nearly \$7 million in appropriations for agricultural research and cooperative extension
- Received the National Science Foundation’s prestigious Engineering Research Center (ERC) grant for biomedical engineering and nano-bio applications research totaling more than \$18 million over five years
- Received a National Science Foundation’s Math S-STEM Program in Mathematics grant
- The National Council on Teacher Quality (NCTQ) preparation programs among the top in the state
- North Carolina A&T graduates students in STEM disciplines at nearly twice the rate of the UNC system average
- The Triangle Business Journal has reported that North Carolina A&T State University ranks No. 1 among historically black colleges and universities in North Carolina and No. 4 in the UNC System for the highest return on investment of colleges and universities

ADMISSIONS REQUIREMENTS and DEADLINES

ADMISSION REQUIREMENTS

- Online application
- Application fee
- Transcripts
- Personal statement
- Recommendation letters

* Some programs require standardized test scores and/or on campus interviews

IMPORTANT APPLICATION DEADLINES

	Priority	US Citizen	International
Fall	February 1	July 1	June 1
Spring	September 1	November 1	October 1
Summer	NA	April 1	NA

Earlier deadlines for certain programs apply. Check www.ncat.edu/tgc and click Graduate Admissions–Admission Application Requirements and Instructions.

FINANCING GRADUATE STUDIES

For detailed information on tuition, fees, and related costs of education, assistantships, fellowships, and other financial assistance visit www.ncat.edu/tgc and click Financial Information.

CONTACT INFO

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